

LISTING OF CLAIMS

This listing of claims replaces all prior versions and listings of claims in the patent application.

Claim 1 (currently amended): A slide fastener with a separable bottom end stop in which fastener elements are attached to opposing side edges of a pair of fastener tapes, comprising the separable bottom end stop made of synthetic resin which has a box pin and an insert pin and is attached to the side edge of the fastener tape at an end portion of the fastener elements, and a reinforcement portion provided integrally with the separable bottom end stop extended toward at least one face of the fastener tape, the reinforcement portions being formed of plural ribs connected to the separable bottom end stop,

wherein the reinforcement portion comprises plural ribs having respective ribs extending from the separable bottom end stop toward an outside edge of the fastener tape, the respective ribs are provided such that they are in parallel with a gap portion between the respective ribs, and front ends of the respective ribs are connected by at least one rib to form a frame,

wherein the ribs are formed at a sewing position to an a sewing object such that it's a height H of each of the ribs is 0.5 to 0.85 mm and it's a width W of each of the ribs is 0.6 to 0.9 mm and that they the ribs are expanded gradually from a vertex to a base portion and there is provided a gap wherein the gap portion is wider than the base portion of the rib between the ribs.

Claim 2 (original): The slide fastener with the separable bottom end stop according to claim 1, wherein the rib at the sewing position in the reinforcement portion has a chamfering portion whose vertex is chamfered.

Claim 3 (original): The slide fastener with the separable bottom end stop according to claim 2, wherein the chamfering portion of the rib is formed into an arc-like configuration having a radius r of 0.05 to 0.1 mm in a sectional shape.

Claim 4 (original): The slide fastener with the separable bottom end stop according to claim 1, wherein a size S of the gap portion between the adjacent ribs at the sewing position in the reinforcement portion is 2.0 to 2.5 mm while the ribs are disposed in parallel in a width direction of the fastener tape.

Claim 5 (original): The slide fastener with the separable bottom stop end according to claim 1, wherein an inclination angle of the rib on the base portion at the sewing position in the reinforcement portion is indicated by $\tan\theta = H / (W/2)$ while $\tan\theta$ satisfies $1.1 \leq \tan\theta \leq 2.9$.

Claim 6 (original): The slide fastener with the separable bottom end stop according to claim 5, wherein the inclination angle θ is in a range of 55° to 70° .

Claim 7 (original): The slide fastener with the separable bottom end stop according to claim 1, wherein the ribs at the sewing position in the reinforcement portion are disposed through an auxiliary member provided on the side face of the separable bottom end stop.

Claim 8 (original): The slide fastener with the separable bottom end stop according to claim 1, wherein the ribs at the sewing position in the reinforcement portion are disposed directly on the side face of the separable bottom end stop.

Claim 9 (original): The slide fastener with the separable bottom end stop according to claim 1, wherein the ribs at the sewing position in the reinforcement portion are disposed symmetrically on both front and rear faces of the fastener tape.